

## **ABSTRACT**

[0039] The present invention relates to a system and method for using an analysis of data generated during a scan of a patient to aid in assessment of coronary risk based upon coronary calcification. In an embodiment, a region of interest in a patient is scanned using computed tomography (CT). CT generated data resulting from the scanning are stored where the data comprise calcification data. The data are analyzed to determine a distribution of calcification in the patient and the patient's risk of cardiovascular disease based upon the analysis is assessed. It is emphasized that this abstract is provided to comply with the rules requiring an abstract which will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims.